

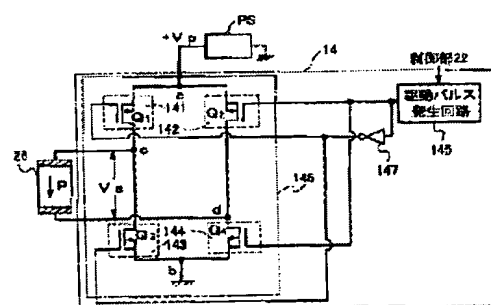
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**Abstract of JP2001103772**

**PROBLEM TO BE SOLVED:** To make it possible to achieve miniaturization and to smoothly adjust the transfer speed of driven members. **SOLUTION:** This piezoelectric actuator is provided with a first drive circuit comprising a first switch circuit 141 and a fourth switch circuit 144 that impress a voltage to a piezoelectric member 26 in the same direction as the polarization direction to charge or discharge it, a second drive circuit comprising a second switch circuit 142 and a third switch circuit 143 that impress a voltage to the member 26 in the reverse direction to the polarization direction to charge or discharge it in roughly the same speed as the charging or discharging speed by the first driving means, a setting changing means that changes the setting of the driving time by the first drive circuit so as to make the driving cycle constant, and a drive controlling means that drive the first and second driving means alternately.



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